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រុក IRAK1 (D51G7) Rabbit mAb (Biotinylated)



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Applications: W	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 78-105	Source/Isotype: Rabbit IgG	UniProt ID: #P51617	Entrez-Gene Id: 3654		
Product Usage Information		Application Western Blotting			Dilution 1:1000			
Storage		Supplied in 140 mM NaCl, 3 mM KCI, 10 mM sodium phosphate (pH 7.4) dibasic, 2 mM potassium phosphate monobasic, 2 mg/mL BSA, and 50% glycerol. Store at –20°C. <i>Do not aliquot the antibody.</i>						
Specificity/Sens	sitivity	IRAK1 (D51G7) Rabbit i	(1 (D51G7) Rabbit mAb (Biotinylated) detects endogenous levels of total IRAK1 protein.					
Source / Purific	ation	n Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of mouse IRAK1 protein.						
Description		This Cell Signaling Technology antibody is conjugated to biotin under optimal conditions. The biotinylated antibody is expected to exhibit the same species cross-reactivity as the unconjugated IRAK1 (D51G7) Rabbit mAb #4504.						
Background		Interleukin-1 (IL-1) receptor-associated kinase (IRAK) is a serine/threonine-specific kinase that can be coprecipitated in an IL-1-inducible manner with the IL-1 receptor (1). The mammalian family of IRAK molecules contains four members (IRAK1, IRAK2, IRAK3/IRAK-M, and IRAK4). The binding of IL-1 to IL-1 receptor type I (IL-1RI) initiates the formation of a complex that includes IL-1RI, ACP, MyD88, and IRAKs (2). IRAK undergoes autophosphorylation shortly after IL-1 stimulation. The subsequent events involve IRAK dissociation from the IL-1RI complex, its ubiquitination, and its association with two membrane-bound proteins: TAB2 and TRAF6. The resulting IRAK-TRAF6-TAB2 complex is then released into the cytoplasm where it activates protein kinase cascades, including TAK1, IKKs, and the stress-activated kinases (3).						
Background Re	ferences	1. Dinarello, C.A. (1996 2. Takaesu, G. et al. (20 3. Janssens, S. and Bey	, 01) <i>Mol Cell Biol</i> 21	, 2475-84.				
Species Reactiv	ity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Bı	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Ke	У	W: Western Blotting						
Cross-Reactivity	у Кеу	H: Human M: Mouse Mk: Monkey						
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